

Patent Claims:

1. Vacuum brake booster for motor vehicles, including a booster housing (1) whose interior is subdivided by a movable wall (2) into a vacuum chamber (3) and a working chamber (4), a control valve (6) that controls the pressure difference acting on the movable wall (2) and is arranged in a control housing (5) that carries the movable wall (2), said control valve being composed of two concentrically arranged sealing seats (7, 8) and an elastically deformable valve member (9), and including at least one filter (10) in the air passage,
c h a r a c t e r i z e d in that the control housing (5) includes an adapter (11) that carries at least one filter (10).
2. Vacuum brake booster as claimed in claim 1,
c h a r a c t e r i z e d in that several filters (10, 12, 13) are arranged in the adapter (11), and the filters (10, 12, 13) exhibit different permeabilities.
3. Vacuum brake booster as claimed in claim 2,
c h a r a c t e r i z e d in that the adapter (11) includes a collar (14, 25) for attaching a pleated bellows (15) or a cap (16).
4. Vacuum brake booster as claimed in claim 3,
c h a r a c t e r i z e d in that the adapter has a collar (14) for abutment on an end face (17) of the control housing (5).

- 10 -

5. Vacuum brake booster as claimed in claim 3 or 4,
c h a r a c t e r i z e d in that the adapter (11) has a cylindrical wall (18) that extends partly over the end face (17) of the control housing (5), and the wall (18) includes radial openings (19).
6. Vacuum brake booster as claimed in claim 5,
c h a r a c t e r i z e d in that the adapter (11) includes an extension (20) in diameter on the side remote from the control housing (5).
7. Vacuum brake booster as claimed in any one of claims 3 to 6,
c h a r a c t e r i z e d in that the adapter (11) includes at least one resilient leg (21), and in that leg (21) is in resilient abutment on the inside surface (22) of the control housing (5).
8. Vacuum brake booster as claimed in claim 7,
c h a r a c t e r i z e d in that the adapter (11) includes several resilient legs (21).
9. Vacuum brake booster as claimed in any one of claims 3 to 6,
c h a r a c t e r i z e d in that the adapter (11) includes a guide (23) for the valve member (9), and the guide (23) and the adapter (11) are integrally designed of plastic material.
10. Vacuum brake booster as claimed in any one of claims 3 to 9,
c h a r a c t e r i z e d in that the adapter (11)

- 11 -

includes cap (16) for closing an axial opening (24) of the control housing (5) close to the pedal assembly, said cap (16) being attached to the collar (25).

11. Vacuum brake booster as claimed in claim 10,
c h a r a c t e r i z e d in that the adapter (11)
carries an annular filter (26), and in that filter (26) is
arranged on the radial openings (19).
12. Vacuum brake booster as claimed in any one of claims 1 to
11,
c h a r a c t e r i z e d in that the adapter (11)
allows the aspiration of air through the axial opening
(24) close to the pedal assembly and/or through several
radial openings (19) of the adapter (11).